MARA-00154

SERVICE MANUAL Sm800

marantz®

ESOTEC SERIES

Model Sm800

Stereo Power Amplifier

MARANTZ DESIGN AND SERVICE

Using superior design and selected high grade components, MARANTZ Company has created the ultimate in stereo sound. Only original MARANTZ parts can insure that your MARANTZ product will continue to perform to the specifications for which it is famous.

Parts for your MARANTZ stereo are generally available within 72 hours throughout the nation via a toll-free line to our National Parts Depot in California. The sales professionals who take your call immediately refer to their own desk top computer terminal and can quickly determine the availability and price information you require. If, for some reason, your order should exceed our available stock, we usually can instantly provide an alternate replacement part or current delivery information. When the order is placed and confirmed, the computer simultaneously generates "hard copy" orders at the distribution center. As hard copies come directly from the computer to the national parts depot, your requested stock is assembled and prepared for shipment and placed on the first available carrier for delivery to you.

ORDERING PARTS

Phone orders will eliminate mail delays, and we encourage the use of this method. If you order by mail, use MARANTZ parts order froms which are available from our National Parts Depot located at the following address:

SUPERSCOPE NATIONAL PARTS DEPARTMENT
20525 Nordhoff Street
Chatsworth, California 91311
Phone: 1-800-423-5108
1-213-998-9333

The following information must be supplied to eliminate delays in processing your order:

1. Complete address.
2. Complete part numbers.
3. Complete description of parts.
4. Model number for which part is required (indicate MARANTZ).
5. Account number (for account customers only).

Direct consumers will be provided with the current retail price quotation on available parts in order to advise them of the cost of the parts and shipping.

OVERSEAS PARTS ORDERING

Parts may also be ordered from the following overseas addresses:

AUSTRALIA

Marantz Australia
32 Cross Street
Brookvale, NSW 2100
Australia

JAPAN

Marantz Japan, Inc.
3622 Kamitsuruma
Sagamihara-shi
Kanagawa, Japan

EUROPE

Marantz Europe S.A.
326 Avenue Louise Bte 32
1050 Brussels
Belgium

Marantz France
4 rue Bernard Palissy
92600 Asnieres
France

Marantz Audio U.K., Ltd.
193 London Road
Staines, Middlesex
United Kingdom

Marantz Germany GMBH
Max-Planck-Strasse 22
6072 Dreieich
West Germany

Marantz Belgium
45 rue Auguste Van Zande
1080 Brussels
Belgium

Marantz Svenska A.B.
Franzengatan 6
10425 Stockholm
Sweden

Marantz Norske A.S.
Refstadalleen 13
Oslo 5
Norway

All of the above locations are fully equipped to take care of your total service needs. Because various countries have differing configuration requirements, it is necessary that you contact the service facility in your particular country. In the event that there is no service location listed for your country, please contact the nearest facility for the necessary assistance.

MARANTZ MODEL Sm 800 STEREO POWER AMPLIFIER

REQUIRED MEASURING INSTRUMENTS

Table 1. List of required measuring instruments.

Item	Purpose
Distortion meter	Measures distortion in amplifier output and its voltage.
Audio frequency generator	Signal source for audio-frequency sine and square waves.
Oscilloscope	Waveform analysis and troubleshooting.
V T V M	Voltage and resistance measurement.
AC power meter	Monitors amplifier's primary power sonsumption.
Voltmeter	Monitors amplifier's primary supply voltage.
Slidac (0～130V AC, 30A)	Adjusts amplifier's primary supply voltage.
Shorting plug	Used to short input jacks for noise prevention.
Output load resistor (8Ω ± 0.5%, 500W)	Load to amplifier output (8Ω)
Output load resistor (4Ω ± 0.5%, 1 kW)	Load to amplifier output (4Ω)

ADJUSTMENT

1. SPEAKER TERMINAL DC OFFSET ADJUSTMENT

1-1. Turn the GAIN controls full counterclockwise.
1-2. Adjust R729 so that the DC output at speaker terminal becomes minimum.
1-3. Turn the GAIN controls fully clockwise.
1-4. Adjust R703 so that the DC output at speaker terminal becomes 0.
1-5. Repeat procedures 1-1 to 1-4 several times.
1-6. Confirm that the DC voltage at speaker terminal is 0 ± 5 mV regardless of the GAIN control position.

2. IDLING CURRENT ADJUSTMENT

Adjust R732 so that the voltage across J719 and J721 or J718 and J720 is 25 mV (with a DC digital voltmeter).

NOTE: 1. Adjust the DC output and idling current only when the speaker terminal is not loaded.
2. After adjusting the idling current, check the DC voltage at speaker terminal as described in procedure 1-6. If the DC voltage is not as specified, readjust the DC offset.

SPECIFICATIONS

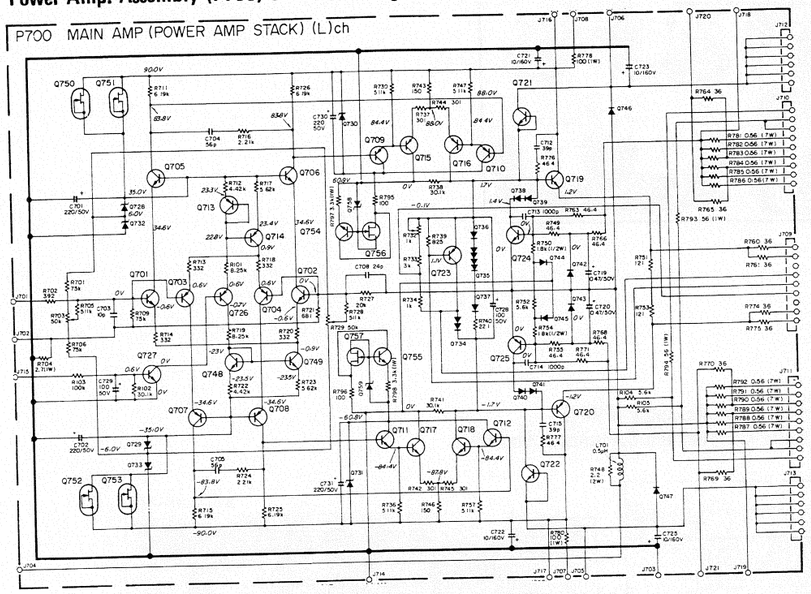
Model Sm 800

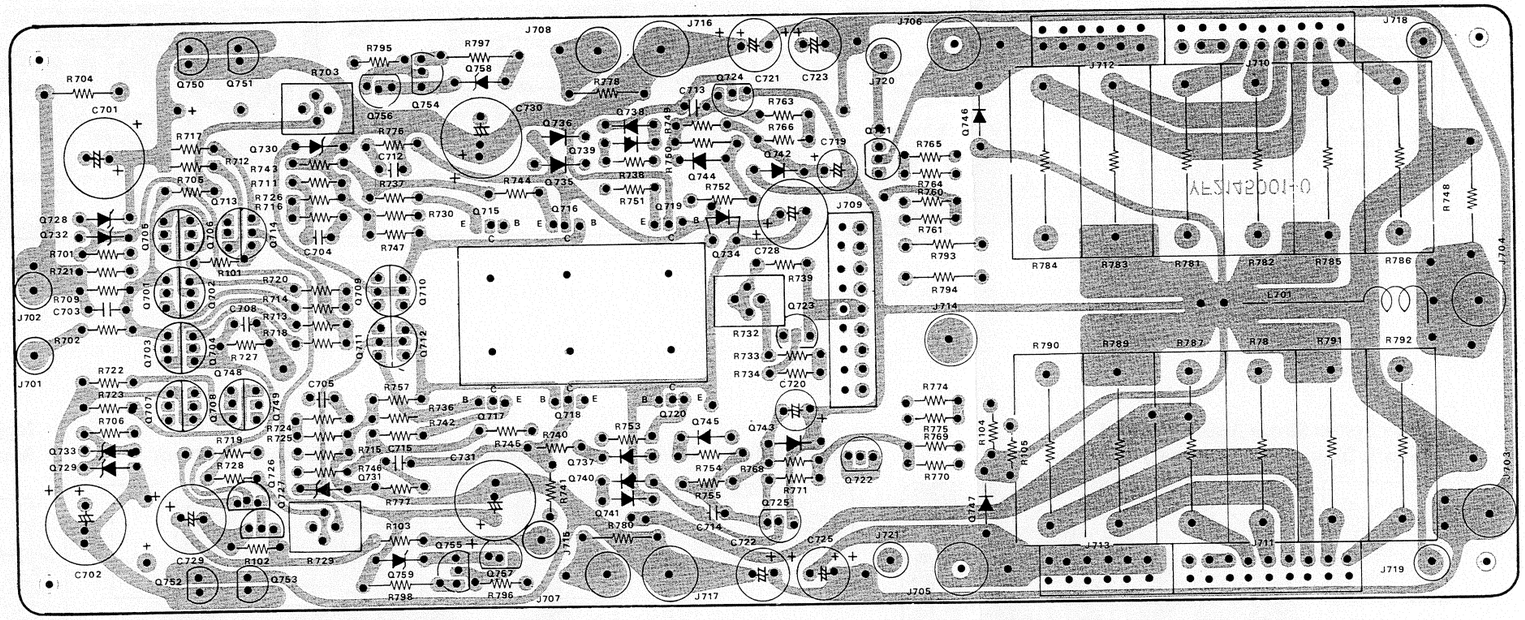
Rated output (20 Hz ~ 20 kHz, both channels)	265W x 2 (8Ω)
Total harmonic distortion (20 Hz ~ 20 kHz, 8Ω load)	0.015%
Inter-modulation distortion	0.015%
Frequency response (20 Hz ~ 20 kHz)	+0, −0.2 dB
(+0, −1 dB)	DC ~ 100 kHz
Input sensitivity and impedance	1.5V/27 kΩ
Damping factor (8Ω load, 1 kHz)	300 or more
Signal-to-Noise Ratio (IHF-A curve)	120 dB
Others	
Power supply	AC110V/120V/220V/240V 50/60 Hz
Power consumption	580W
Dimensions	438 mm(W) x 178 mm(H) x 550 mm(D)
Weight	44 kg

Specifications and appearance may be changed without notice for improvement.

DIAGRAM AND COMPONENT LOCATIONS

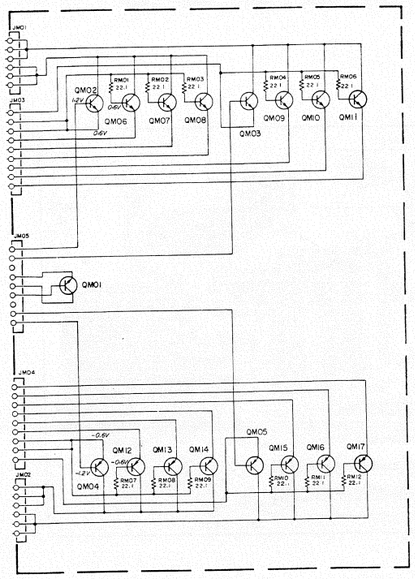
Power Amp. Assembly (P700) Schematic Diagram and Component Locations

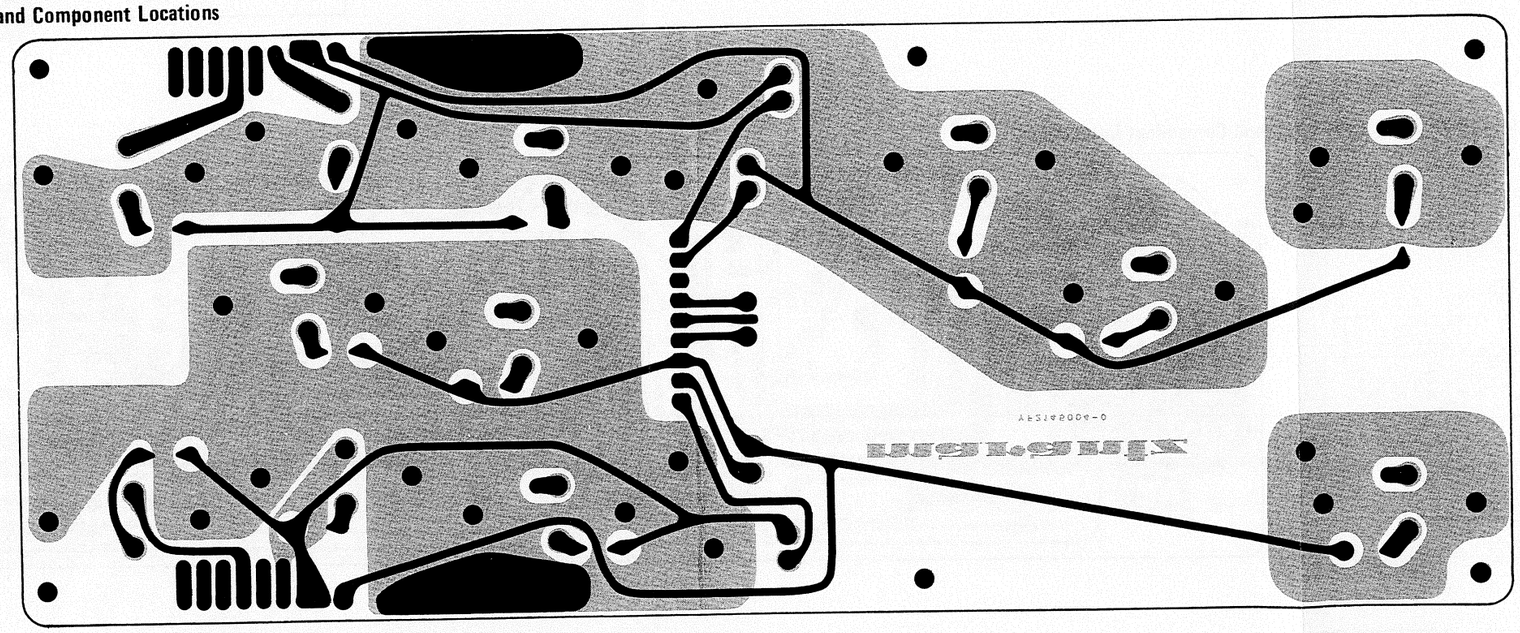




3

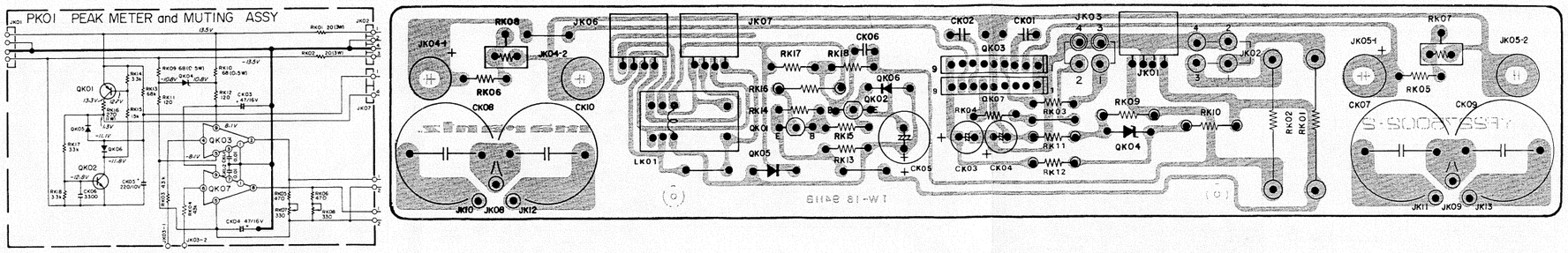
Power Tr. Assembly (PM01) Schematic Diagram and Component Locations



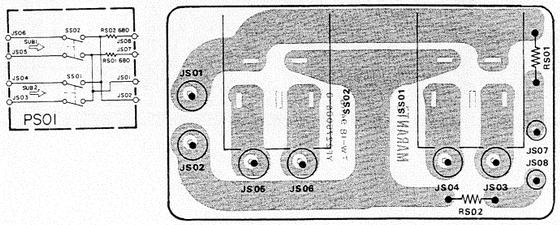


4

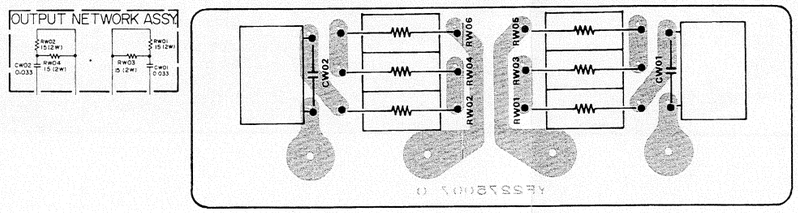
Peak Meter & Muting Assembly (PK01) Schematic Diagram and Component Locations



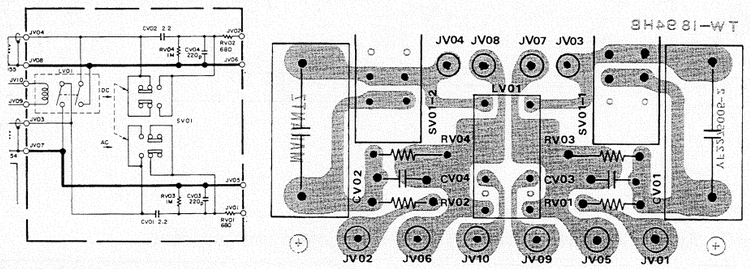
Speaker System Switch Assembly (PS01) Schematic Diagram and Component Locations



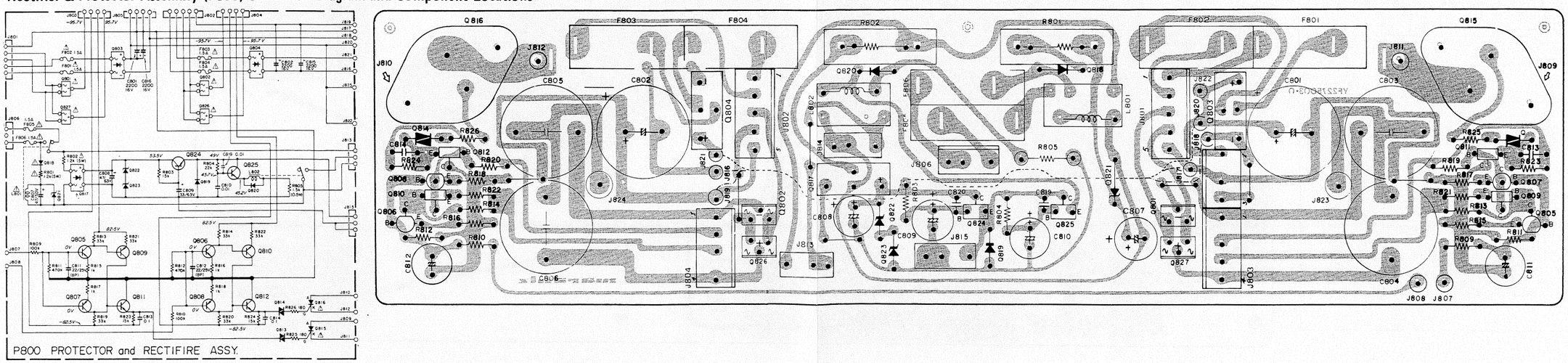
Output Network Assembly (PW00) Schematic Diagram and Component Locations



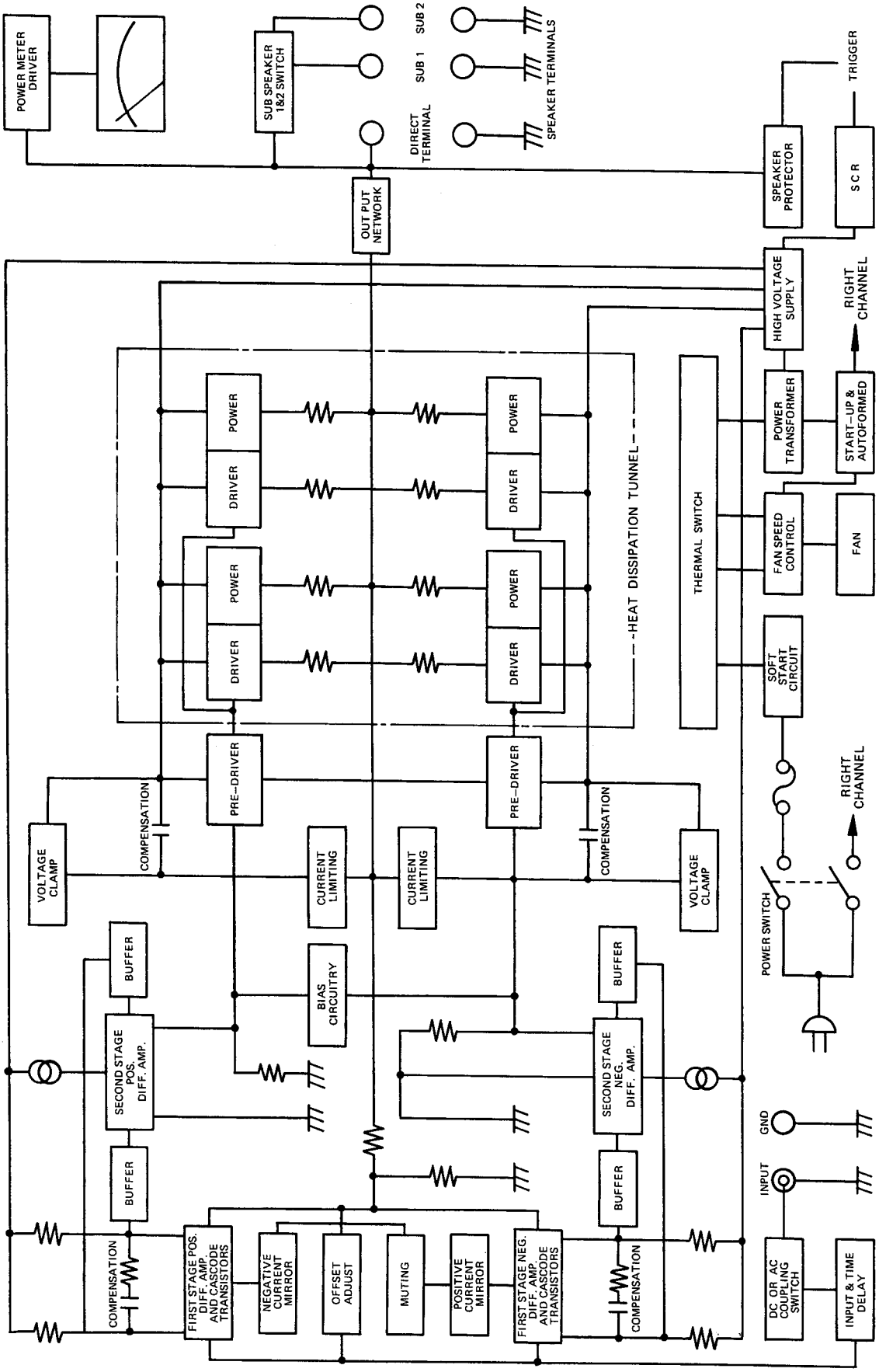
Input Coupling Assembly (PV01) Schematic Diagram and Component Locations



Rectifier & Protector Assembly (P800) Schematic Diagram and Component Locations

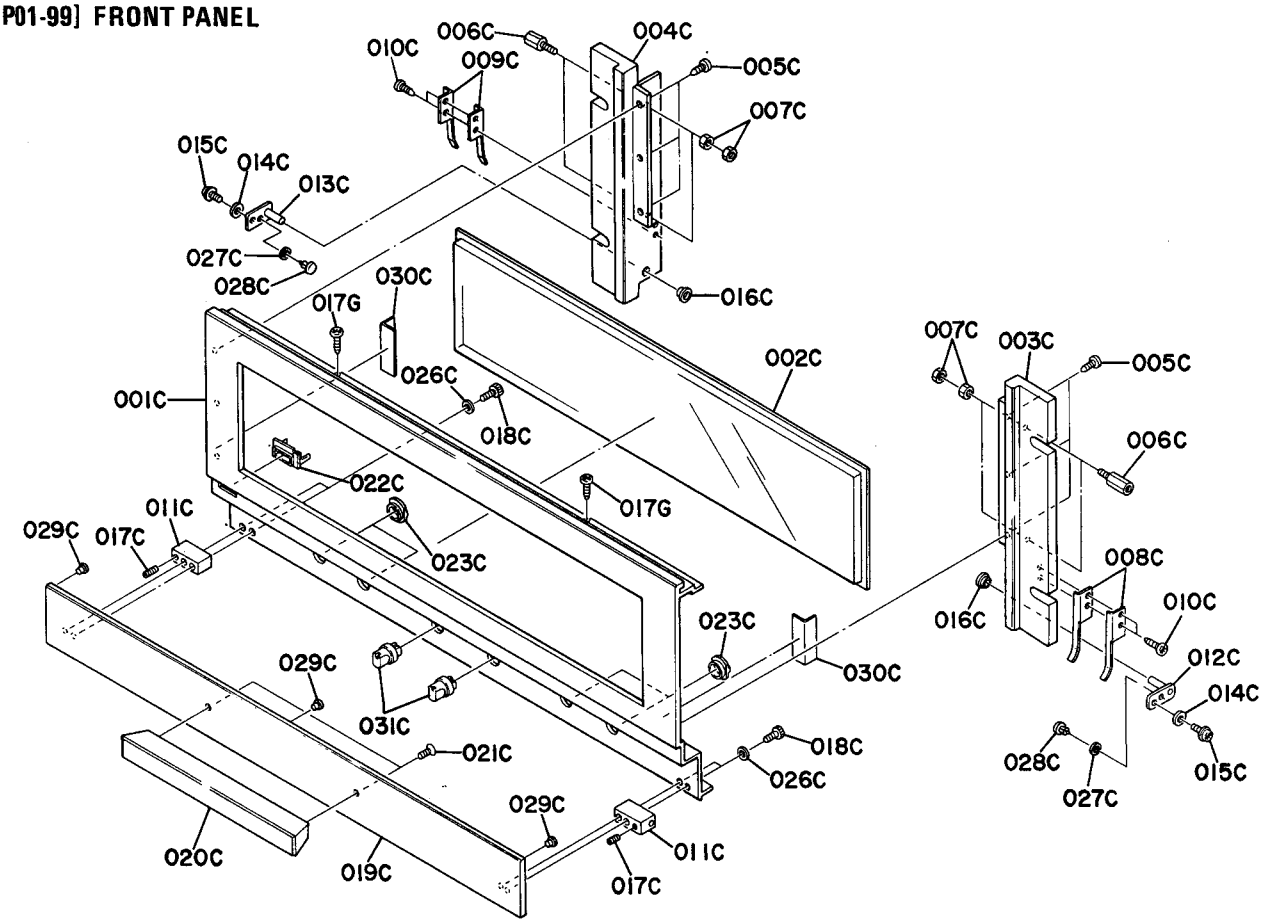


BLOCK DIAGRAM



EXPLODED VIEWS AND PARTS LIST

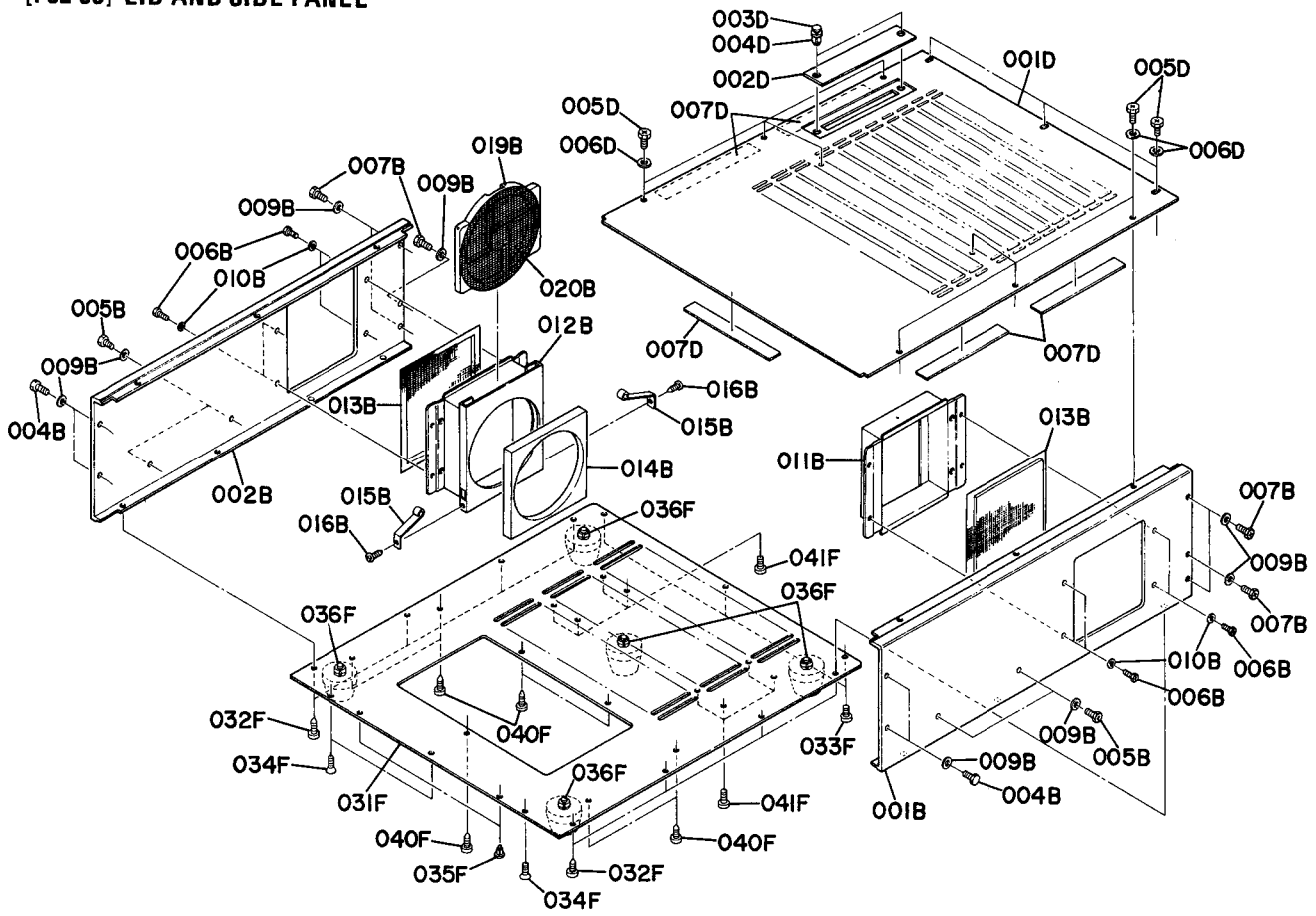
[P01-99] FRONT PANEL



REF. DESIG.	Q'TY E	PART NO.	DESCRIPTION
A	1	2145063400	Front Panel Assembly
001C	1	2145063010	Escutcheon, Front Panel
002C	1	2145158010	Window, Meter
003C	1	2275063020	Escutcheon, Rack Panel
004C	1	2275063030	Escutcheon, Rack Panel
005C	6	51280306B0	B.H. Tapped Screw B3 x 6
006C	4	2275101010	Support
007C	8	53110303E9	Hexagon Nut
008C	2	2275115010	Spring, (R)
009C	2	2275115110	Spring, (L)
010C	4	51590306B0	B. Taptite Screw B3 x 6
011C	2	2275106010	Bearing
012C	1	2275354010	Lever, (R)
013C	1	2275354020	Lever, (L)
014C	2	2275055010	Collar
015C	2	51042604B0	F.H.M. Screw F2.6 x 4
016C	2	2275259010	Bushing
017C	2	51690306Q9	Socket Screw, HP 3 x 6
018C	4	52730308S9	H.S. Head Bolt H3 x 8
019C	1	2275063040	Escutcheon, Door Panel

REF. DESIG.	Q'TY E	PART NO.	DESCRIPTION
020C	1	2461253110	Handle
021C	2	5104030889	F.H.M. Screw F3 x 8
022C	1	2145259010	Bushing, Power SW
023C	4	2978259010	Bushing, SPK & Coupling
026C	4	54040302B0	Spring Washer
027C	2	54040302B0	Spring Washer
028C	2	2912259020	Bushing, Door Lever
029C	3	2275056020	Buffer
030C	2	2275120040	Insulator
031C	2	2275154020	Knob, Gain
017G	2	5110306S9	B.H.M. Screw B3 x 6

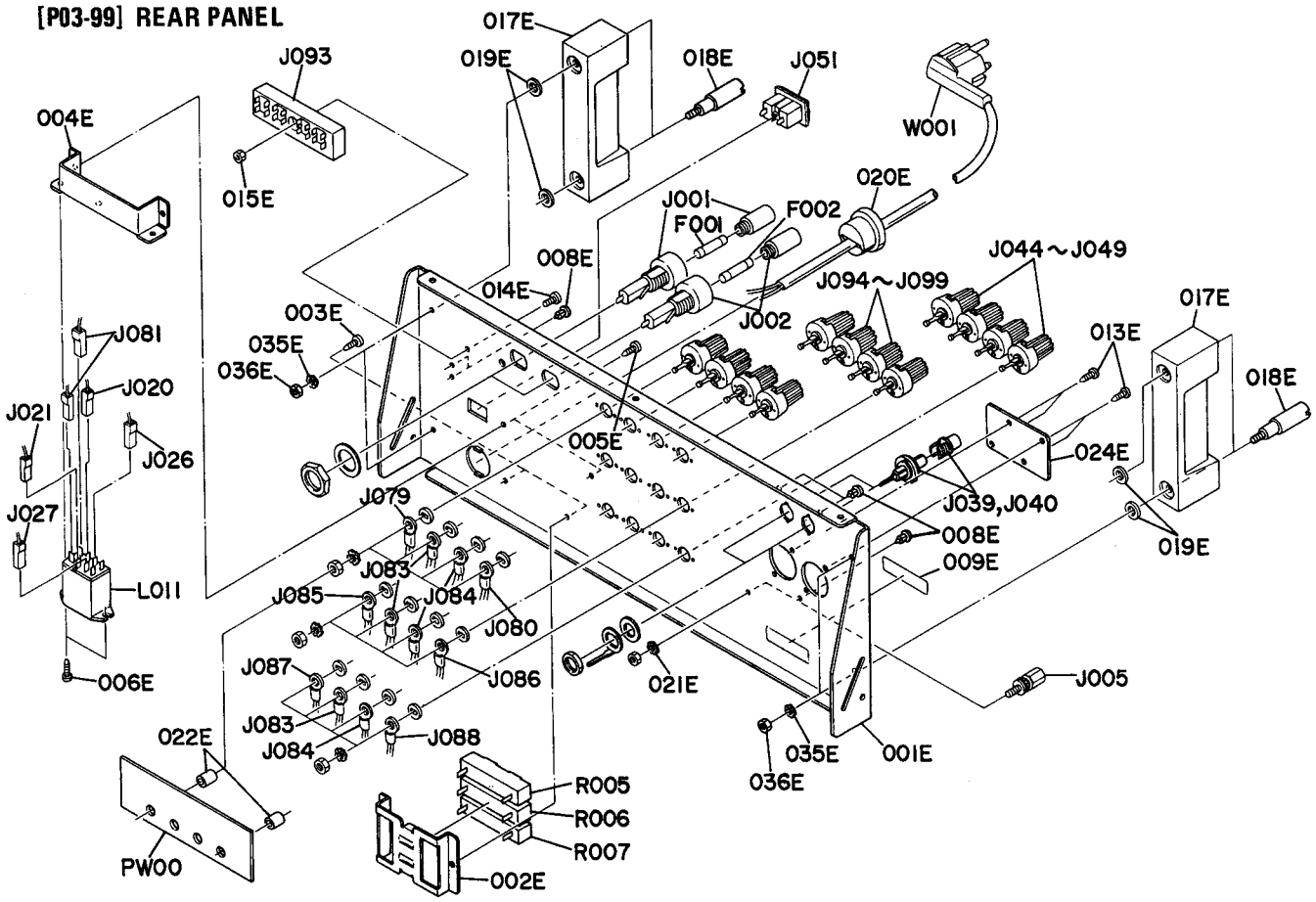
[P02-99] LID AND SIDE PANEL



REF. DESIG.	Q'TY E	PART NO.	DESCRIPTION
001B	1	2275063100	Escutcheon, Side Panel (R)
002B	1	2275063110	Escutcheon, Side Panel (L)
004B	4	52030408B9	H. Head Bolt, P H4 x 8
005B	4	52030408B9	H. Head Bolt, P H4 x 8
006B	8	52030306B9	H. Head Bolt, P H3 x 6
007B	6	52030408B9	H. Head Bolt, P H4 x 8
009B	14	59030605G0	Washer
010B	8	59030605G0	Washer
011B	1	2275053020	Cover
012B	1	2275053030	Cover
013B	2	2275202010	Net
014B	1	2275118010	Speacer
015B	2	2275115020	Spring
016B	2	51280306B0	B.H. Tapped Screw B3 x 6
019B	1	2275401010	Frame, Dust Filter
020B	1	2275202020	Net, Dust Filter

REF. DESIG.	Q'TY E	PART NO.	DESCRIPTION
001D	1	2145257010	Lid, Top Cover
002D	1	2275257030	Lid, Dust Filter Cover
003D	2	3648270020	Button
004D	2	3648271020	Holder
005D	11	52030408B9	H. Head Bolt, P H4 x 8
006D	11	59030605G0	Washer
007D	5	4743056010	Buffer
031F	1	2275105120	Chassis, Bottom Cover
032F	8	51280410U0	B.H. Tapped Screw B4 x 10
033F	3	51280410U0	B.H. Tapped Screw B4 x 10
034F	3	5114040859	O.C.H.M. Screw 4 x 8
035F	2	2991259010	Bushing
036F	5	2275057010	Leg
040F	7	51280410U0	B.H. Tapped Screw B4 x 10
041F	8	5110041059	B.H.M. Screw B4 x 10

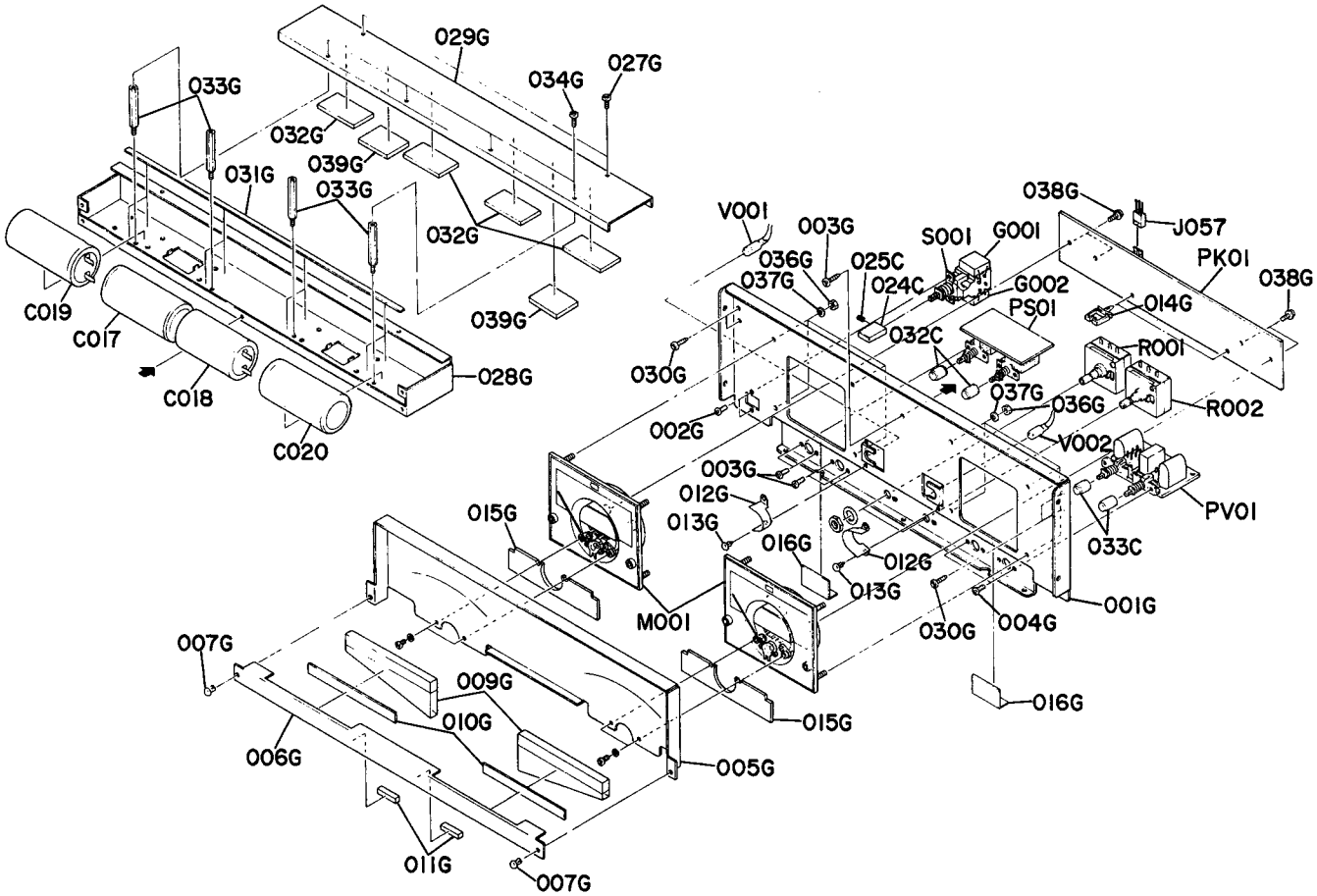
[P03-99] REAR PANEL



REF. DESIG.	Q'TY E	PART NO.	DESCRIPTION
001E	1	2145160220	Bracket, Rear Panel
002E	1	2275160040	Bracket, Resistor
003E	2	51280306U0	B.H. Tapped Screw B3 x 6
004E	1	2275160050	Bracket, Relay
005E	2	51280306U0	B.H. Tapped Screw B3 x 6
006E	2	51280308U0	B.H. Tapped Screw B3 x 8
008E	3	2276005050	Clamper
013E	4	51280306U0	B.H. Tapped Screw B3 x 6
014E	1	5110312S9	B.H.M. Screw B3 x 12
015E	1	53110303E9	Hexagon Nut
017E	2	2275057020	Leg
018E	4	2275101030	Support
019E	4	54020401E0	Flat Washer, P.
020E	1	1455259120	Bushing
021E	1	54050400R0	T.L. Washer, OR
022E	2	2275118040	Spacer
024E	1	2145053020	Cover
035E	4	54050500R0	T.L. Washer, OR
036E	4	53110401A9	Hexagon Nut
009E	1	2112265010	Indicator

REF. DESIG.	Q'TY E	PART NO.	DESCRIPTION
⚠ F001	1	FS10500700	Fuse 5A 250V
⚠ F002	1	FS10500700	Fuse 5A 250V
⚠ J001	1	YJ08000290	Jack, Fuse Holder
⚠ J002	1	YJ08000290	Jack, Fuse Holder
J005	1	YT01010050	Terminal, GND
J039	1	YT02010190	Terminal, RCA Pin Jack
J040	1	YT02010190	Terminal, RCA Pin Jack
J044 ~ J049	6	YT01010090	Terminal, Speaker
⚠ J051	1	YJ04000560	Jack, AC Outlet
⚠ J093	1	YL01040180	Terminal, (4P)
J094 ~ J099	6	YT01010080	Terminal, Speaker
⚠ L011	1	LY20480050	Relay
⚠ R005	1	GS10120100	Resistor 12Ω ±10% 10W
⚠ R006	1	GS10120100	Resistor 12Ω ±10% 10W
⚠ R007	1	GS10681100	Resistor 680Ω ±10% 10W
⚠ W001	1	YC01800140	A.C. Power Cord

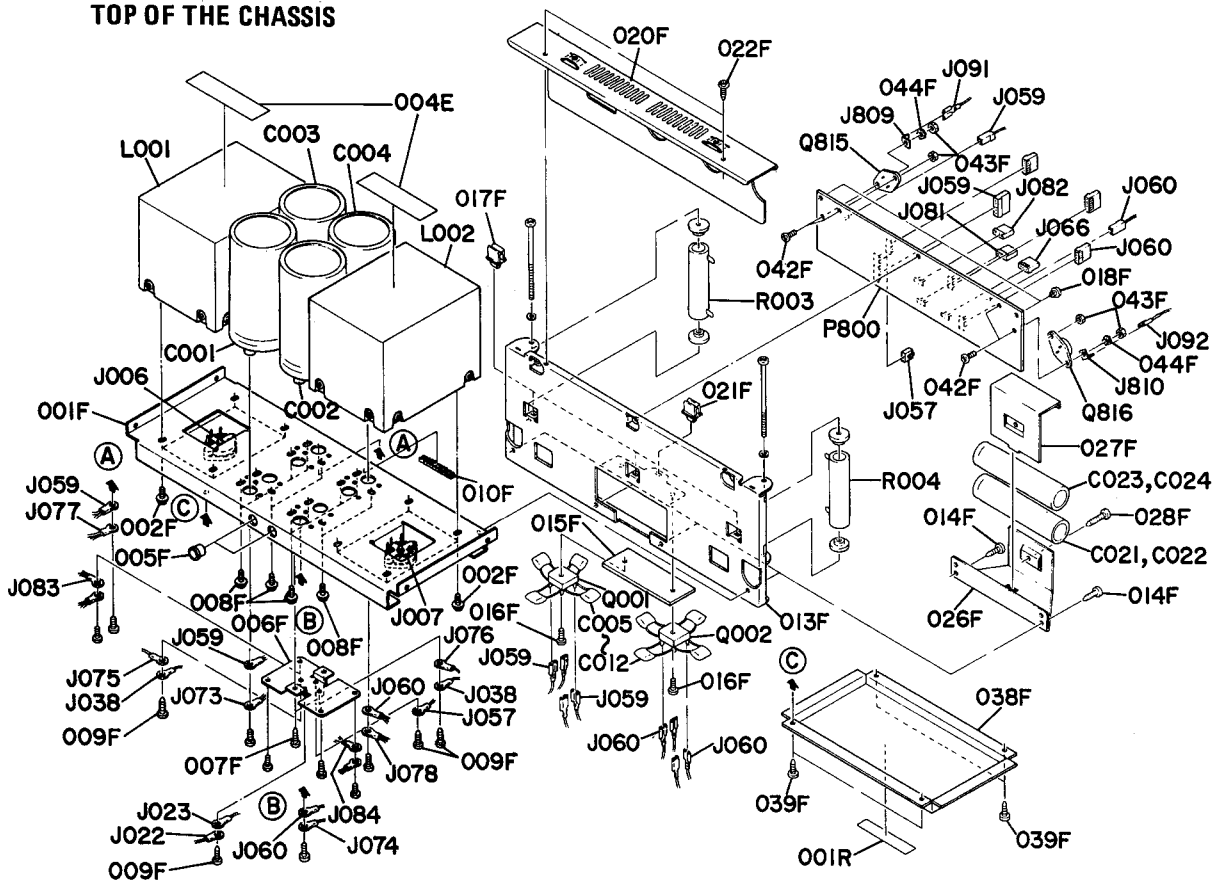
[P04-99] FRONT CHASSIS AND GENERAL PARTS



REF. DESIG.	Q'TY E	PART NO.	DESCRIPTION
001G	1	2275160010	Bracket, Front Chassis
002G	2	51100306A9	B.H.M. Screw B3 x 6
003G	4	51100306A9	B.H.M. Screw B3 x 6
004G	2	51100306A9	B.H.M. Screw B3 x 6
005G	1	2145302020	Dial, Meter
006G	1	2145053030	Cover, Lens
007G	2	2276005050	Clamper
009G	2	2145355010	Lens
010G	2	2275056010	Buffer
011G	2	2275056010	Buffer
012G	2	2275274010	Reflector
013G	2	2912259020	Bushing
014G	2	2886005050	Clamper
015G	2	2275118020	Spacer
016G	2	2275118030	Spacer
027G	2	51280306U0	B.H. Tapped Screw B3 x 6
028G	1	2275160090	Bracket
029G	1	2275053050	Cover
030G	5	51280306U0	B.H. Tapped Screw B3 x 6
031G	2	2145056020	Buffer
032G	4	2979056020	Buffer
033G	4	2888101010	Support
034G	4	5110306S9	B.H.M. Screw B3 x 6
036G	8	53110303E9	Hexagon Nut
037G	8	54040302N0	Spring Washer
038G	4	51490408A9	F. Washer Screw F4 x 6
039G	2	2204056010	Buffer

REF. DESIG.	Q'TY E	PART NO.	DESCRIPTION
024C	1	2145154010	Knob, Power Switch
025C	1	51690303Q9	Socket Screw, HP 3 x 3
032C	2	2462154020	Knob, Speaker
033C	2	2491154060	Knob, Coupling
⚠G001	1	BF10400060	Cap. Comp. 0.1μF + 120Ω
⚠G002	1	BF10400060	Cap. Comp. 0.1μF + 120Ω
M001	1	1M11120030	D.C. Meter (L) (R)
R001	1	RK05030320	Variable Resist 50KΩ(B)
R002	1	RK05030320	Variable Resist 50KΩ(B)
⚠S001	1	SP02010250	Push Switch, Power
V001	1	IN10080540	Lamp
V002	1	IN10080540	Lamp
C017	1	EC15816010	Elect Cap. 1500μF 160V
C018	1	EC15816010	Elect Cap. 1500μF 160V
C019	1	EC15816010	Elect Cap. 1500μF 160V
C020	1	EC15816010	Elect Cap. 1500μF 160V

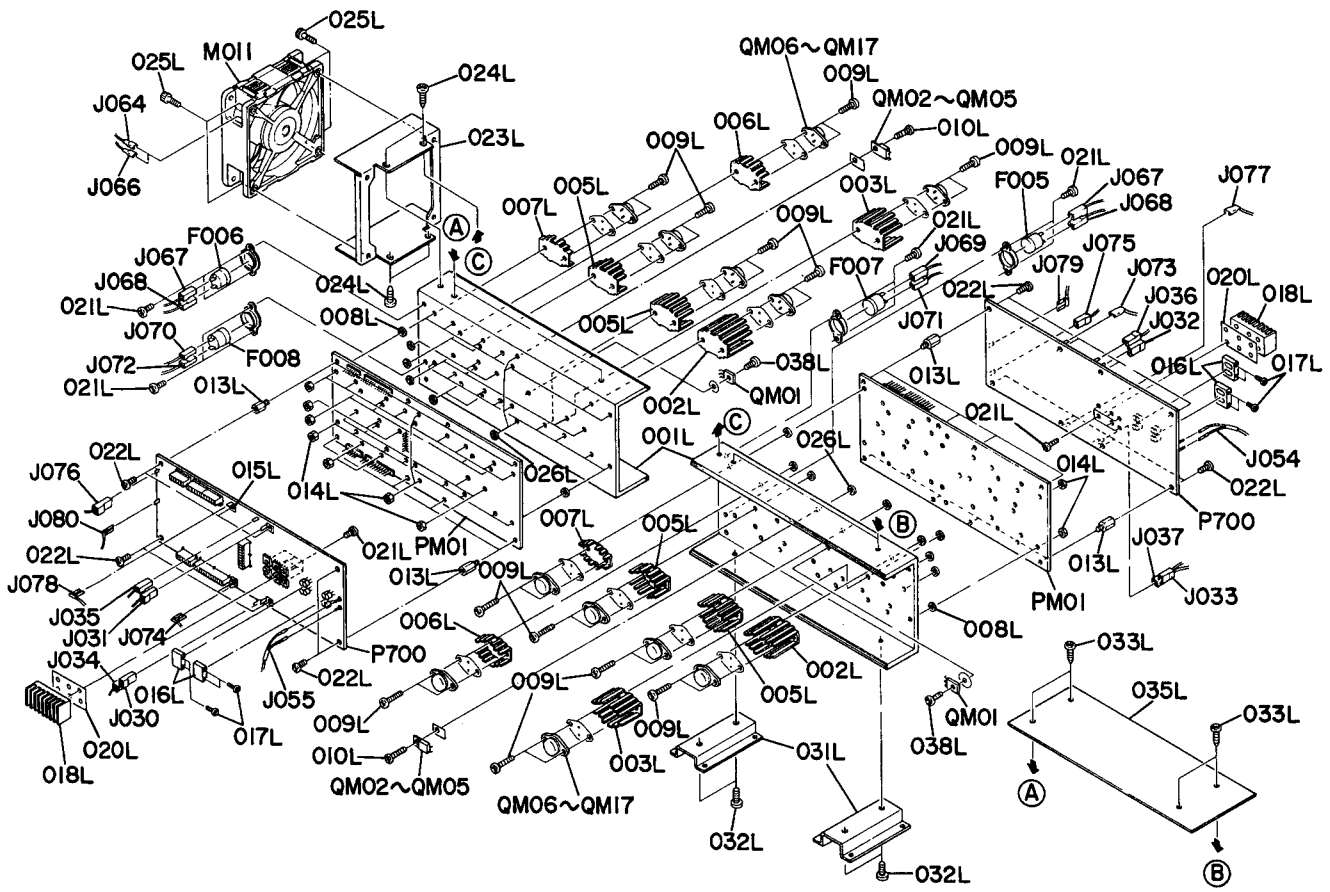
[M01-99] PARTS ASSEMBLED ON THE TOP OF THE CHASSIS



REF. DESIG.	Q'TY E	PART NO.	DESCRIPTION	
001F	1	2275105010	Chassis, Main	
002F	8	51490510A9	L. Washer Screw	L5 x 10
004F	2	2275265020	Indicator, Transf.	
005F	2	2730259010	Bushing	
006F	1	2275123010	Contactor	
007F	2	5128040880	B.H. Tapped Screw	B4 x 8
008F	12	51490410S9	L, Washer Screw	L4 x 10
009F	4	51100408E9	B.H.M. Screw	B4 x 8
010F	1	2218259020	Bushing	
013F	1	2275160020	Bracket	
014F	4	51280308U0	B.H. Tapped Screw	B3 x 8
015F	1	2275267120	Heatsink	
016F	2	51280320U0	B.H. Tapped Screw	B3 x 20
017F	3	2218271020	Holder	
018F	3	2276005050	Clamper	
020F	1	2275053010	Cover	
021F	1	2218271020	Holder	
022F	2	5110306S9	B.H.M. Screw	B3 x 6
026F	2	2275160100	Bracket	
027F	2	2275053060	Cover	
028F	2	51100325S9	B.H.M. Screw	B3 x 25
038F	1	2275257040	Lid, Small Cover	
039F	4	51280306U0	B.H. Tapped Screw	B3 x 6
042F	4	51100308E9	B.H.M. Screw	B3 x 8
043F	4	53110303E9	Hexagon Nut	
044F	2	54050300A0	T.L. Washer, OR.	

REF. DESIG.	Q'TY E	PART NO.	DESCRIPTION			
001R	1	3889861010	Label			
⚠ C001	1	EI20912510	Elect Cap.	20000μF		125V
⚠ C002	1	EI20912510	Elect Cap.	20000μF		125V
⚠ C003	1	EI20912510	Elect Cap.	20000μF		125V
⚠ C004	1	EI20912510	Elect Cap.	20000μF		125V
⚠ C005 ~ ⚠ C012	8	DF17223520	Film Cap.	0.022μF±20%		400V
C021 ~ C024	4	EC10816010	Elect	1000μF		160V
⚠ L001	1	TS63304030	Power Transformer (L)			
⚠ L002	1	TS63304040	Power Transformer (R)			
⚠ Q001	1	HE20006290	Diode	S15VB40	15A	400V
⚠ Q002	1	HE20006290	Diode	S15VB40	15A	400V
⚠ R003	1	RW10020400	Resister	2Ω	±10%	40W
⚠ R004	1	RW10020400	Resistor	2Ω	±10%	40W
J809	1	YL09010140	Terminal			
J810	1	YL09010140	Terminal			
⚠ Q815	1	HB00002050	Thyristor SF16G14			
⚠ Q816	1	HB00002050	Thyristor SF16G14			
J006	1	BY05080010	Voltage Selector			
J007	1	BY05080010	Voltage Selector			

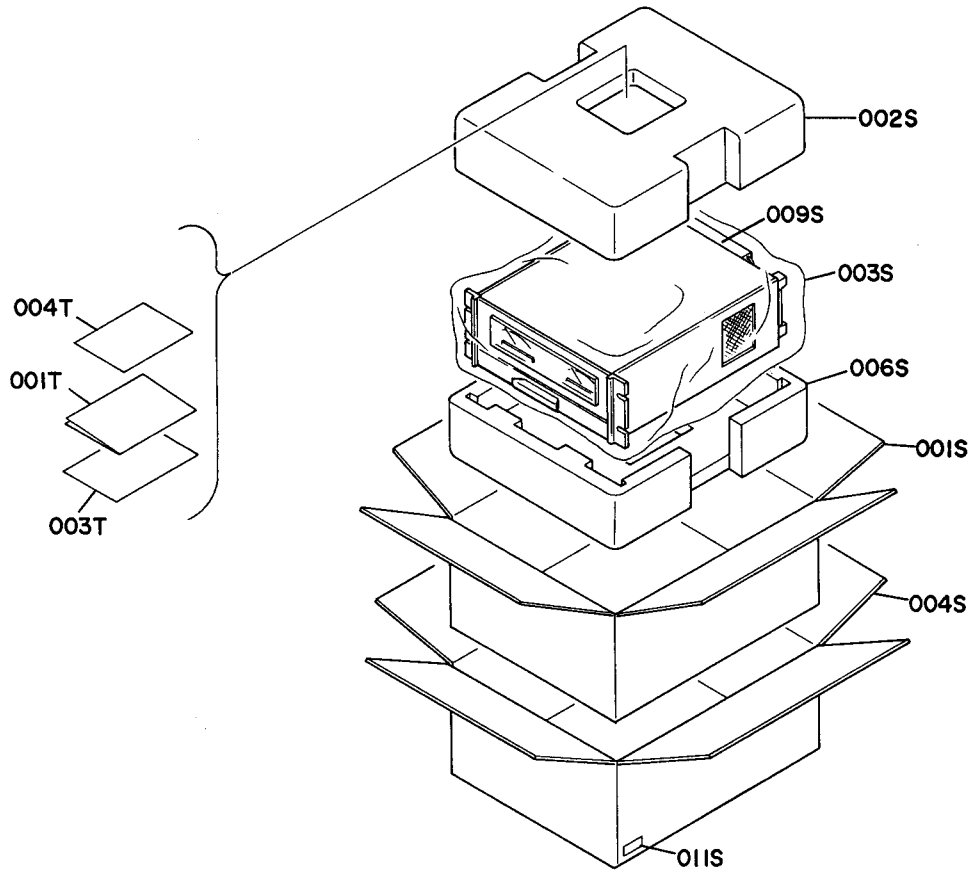
[P02-99] POWER TRANSISTOR AND HEATSINK



REF. DESIG.	Q'TY E	PART NO.	DESCRIPTION	
001L	2	2145267010	Heatsink, Main	
002L	4	2275267020	Heatsink, 44.5mm	
003L	2	2275267030	Heatsink, 38mm	
005L	6	2275267050	Heatsink, 25.5mm	
006L	6	2275267060	Heatsink, 19mm	
007L	6	2275267070	Heatsink, 13mm	
008L	48	2219259010	Bushing	
009L	48	51100315E9	B.H.M. Screw	B3 x 15
010L	8	51100312E9	B.H.M. Screw	B3 x 12
012L	2	5145030889	F. Washer Screw	3 x 8
013L	56	2275101040	Support	
014L	14	53250303D9	Special Nut	
015L	12	55060304E0	T.R. Rivet	
016L	4	2145267030	Heatsink	
017L	8	51100204A0	B.H.M. Screw	B2 x 4
018L	2	2145267020	Heatsink	
019L	12	51100312E9	B.H.M. Screw	B3 x 12
020L	2	2145118020	Spacer	
021L	8	5110030689	B.H.M. Screw	B3 x 6
022L	16	51100306E9	B.H.M. Screw	B3 x 6
023L	1	2275160070	Bracket	
024L	4	51280406U0	B.H. Tapped Screw	B4 x 6
025L	4	5173031089	Screw	
026L	8	2275259020	Bushing	

REF. DESIG	Q'TY E	PART NO.	DESCRIPTION	
031L	2	2275160030	Bracket	
032L	4	51280408U0	B.H. Tapped Screw	B4 x 8
033L	4	51280406U0	B.H. Tapped Screw	B4 x 6
035L	1	2275053070	Cover	
038L	2	55060304E0	T.R. Rivet	
⚠F005	1	FR30600020	Circuit Breaker, 20704F	
⚠F006	1	FR30600020	Circuit Breaker, 20704F	
⚠F007	1	FR30880010	Circuit Breaker, 20704L	
⚠F008	1	FR30880010	Circuit Breaker, 20704L	
⚠M011	1	MI01150020	A.C. Motor, Fan	

[H01-99] PACKING MATERIALS



REF. DESIG.	Q'TY E	PART NO.	DESCRIPTION
001S	1	2275801010	Packing Case
002S	1	2275809010	Cushion
003S	1	9091616080	Polyethylene Sheet
004S	1	2145801010	Packing Case
006S	1	2275809020	Cushion
009S	1	2864804010	Sleeve
011S	8	9526019060	Serial No. Card

REF. DESIG.	Q'TY E	PART NO.	DESCRIPTION
001T	1	2145851310	Instructions
003T	1	2145856010	Circuit Diagram
004T	1	2275851370	Instructions

ELECTRICAL PARTS

REF. DESIG.	Q'TY F	PART NO.	DESCRIPTION
P700	2	YF21450010	P.W. Board, Power Amp.
		ZZ21458010	P.W. Board Assembly
			P700-CAPACITORS
C701	2	EA22705040	Elect 220μF 50V
C702	2	EA22705040	Elect 220μF 50V
C703	2	DF31100520	Mica 10pF ±0.5pF
C704	2	DF35560520	Mica 56pF ±5%
C705	2	DF35560520	Mica 56pF ±5%
C708	2	DF35240520	Mica 24pF ±5%
C712	2	DF35390520	Mica 39pF ±5%
C713	2	DF74102020	Film 1000pF ±5%
C714	2	DF74102020	Film 1000pF ±5%
C715	2	DF35390520	Mica 39pF ±5%
C719	2	EA47405090	Elect 0.47μF 50V
C720	2	EA47405090	Elect 0.47μF 50V
C721	2	EA10616040	Elect 10μF 160V
C722	2	EA10616040	Elect 10μF 160V
C723	2	EA10616040	Elect 10μF 160V
C725	2	EA10616040	Elect 10μF 160V
C728	2	EA10705040	Elect 100μF 50V
C729	2	EE10705040	Elect 100μF 50V
C730	2	EA22705040	Elect 220μF 50V
C731	2	EA22705040	Elect 220μF 50V
			P700-RESISTORS
R101	2	GM21482510	8.25KΩ ±2% ¼W
R102	2	GM21430120	30.1KΩ ±5% ¼W
R103	2	GM21410120	100KΩ ±5% ¼W
R104	2	GD05562140	5.6KΩ ±5% ¼W
R105	2	GD05562140	5.6KΩ ±5% ¼W
R701	2	GD05753140	75KΩ ±5% ¼W
R702	2	GM21439200	392Ω ±2% ¼W
R703	2	RA05030270	50KΩ Trimming
R704	2	GA05027010	2.7Ω ±5% ½W
R705	2	GM21451130	511KΩ ±2% ¼W
R706	2	GM21475020	75KΩ ±2% ¼W
R708	2	GJ05472020	4.7KΩ ±5% 2W
R709	2	GM21475020	75KΩ ±2% ¼W
R710	2	GJ05472020	4.7KΩ ±5% 2W
R711	2	GM21461910	6.19KΩ ±2% ¼W
R712	2	GM21444210	4.42KΩ ±2% ¼W
R713	2	GM21433200	332Ω ±2% ¼W
R714	2	GM21433200	332Ω ±2% ¼W
R715	2	GM21461910	6.19KΩ ±2% ¼W
R716	2	GM21422110	2.21KΩ ±2% ¼W
R717	2	GM21456210	5.62KΩ ±2% ¼W
R718	2	GM21433200	332Ω ±2% ¼W
R719	2	GM21482510	8.25KΩ ±2% ¼W
R720	2	GM21433200	332Ω ±2% ¼W

REF. DESIG.	Q'TY F	PART NO.	DESCRIPTION
R721	2	GM21468100	681Ω ±2% ¼W
R722	2	GM21444210	4.42KΩ ±2% ¼W
R723	2	GM21456210	5.62KΩ ±2% ¼W
R724	2	GM21422110	2.21KΩ ±2% ¼W
R725	2	GM21461910	6.19KΩ ±2% ¼W
R726	2	GM21461910	6.19KΩ ±2% ¼W
R727	2	GM11420020	20KΩ ±1% ¼W
R728	2	GM21451130	511KΩ ±2% ¼W
R729	2	RA05030270	50KΩ Trimming
R730	2	GM21451110	5.11KΩ ±2% ¼W
R731	2	GJ05472020	4.7KΩ ±5% 2W
R732	2	RA01020340	1KΩ Trimming
R733	2	GD05302140	3KΩ ±5% ¼W
R734	2	GM21410010	1KΩ ±2% ¼W
R735	2	GJ05472020	4.7KΩ ±5% 2W
R736	2	GM21451110	5.11KΩ ±2% ¼W
R737	2	GM21430100	301Ω ±2% ¼W
R738	2	GM21430120	30.1KΩ ±2% ¼W
R739	2	GM21482500	825Ω ±2% ¼W
R740	2	GM214221G0	22.1Ω ±2% ¼W
R741	2	GM21430120	30.1KΩ ±2% ¼W
R742	2	GM21430100	301Ω ±2% ¼W
R743	2	GM21415000	150Ω ±2% ¼W
R744	2	GM21430100	301Ω ±2% ¼W
R745	2	GM21430100	301Ω ±2% ¼W
R746	2	GM21415000	150Ω ±2% ¼W
R747	2	GM21451110	5.11KΩ ±2% ¼W
R748	2	NT25022020	2.2Ω ±5% 2W
R749	2	GM214464G0	46.4Ω ±5% ¼W
R750	2	GG05182120	1.8KΩ ±5% ½W
R751	2	GM21412100	121Ω ±2% ¼W
R752	2	GG05562120	5.6KΩ ±5% ½W
R753	2	GM21412100	121Ω ±2% ¼W
R754	2	GG05182120	1.8KΩ ±5% ½W
R755	2	GM214464G0	46.4Ω ±5% ¼W
R757	2	GM21451110	5.11KΩ ±2% ¼W
R760	2	RF05360140	36Ω ±5% ¼W, Fusible
R761	2	RF05360140	36Ω ±5% ¼W, Fusible
R763	2	GM214464G0	46.4Ω ±5% ¼W
R764	2	GG05360140	36Ω ±5% ¼W
R765	2	GG05360140	36Ω ±5% ¼W
R766	2	GM214464G0	46.4Ω ±5% ¼W
R768	2	GD05470140	47Ω ±5% ¼W
R769	2	GG05360140	36Ω ±5% ¼W
R770	2	GG05360140	36Ω ±5% ¼W
R771	2	GM214464G0	46.4Ω ±5% ¼W
R774	2	RF05360140	36Ω ±5% ¼W, Fusible
R775	2	RF05360140	36Ω ±5% ¼W, Fusible
R776	2	GM214464G0	46.4Ω ±2% ¼W
R777	2	GM214464G0	46.4Ω ±2% ¼W
R778	2	GA05101010	100Ω ±5% 1W
R780	2	GA05101010	100Ω ±5% 1W

REF. DESIG.	Q'TY E	PART NO.	DESCRIPTION
R781	2	GN10562070	0.56Ω ±10% 7W
R782	2	GN10562070	0.56Ω ±10% 7W
R783	2	GN10562070	0.56Ω ±10% 7W
R784	2	GN10562070	0.56Ω ±10% 7W
R785	2	GN10562070	0.56Ω ±10% 7W
R786	2	GN10562070	0.56Ω ±10% 7W
R787	2	GN10562070	0.56Ω ±10% 7W
R788	2	GN10562070	0.56Ω ±10% 7W
R789	2	GN10562070	0.56Ω ±10% 7W
R790	2	GN10562070	0.56Ω ±10% 7W
R791	2	GN10562070	0.56Ω ±10% 7W
R792	2	GN10562070	0.56Ω ±10% 7W
R793	2	GA05560010	56Ω ±5% 1W
R794	2	GA05560010	56Ω ±5% 1W
R975	2	GM21410000	100Ω
R976	2	GM21410000	100Ω
R797	2	GA05332010	3.3KΩ
R798	2	GA05332010	3.3KΩ
			P700-SEMICONDUCTORS
Q701	2	HT317752D0	Transistor 2SC1775A(D or E)
Q702	2	HT317752D0	Transistor 2SC1775A(D or E)
Q703	2	HT108722D0	Transistor 2SA872A(D or E)
Q704	2	HT108722D0	Transistor 2SA872A(D or E)
Q705	2	HT317752D0	Transistor 2SC1775A(D or E)
Q706	2	HT317752D0	Transistor 2SC1775A(D or E)
Q707	2	HT108722D0	Transistor 2SA872A(D or E)
Q708	2	HT108722D0	Transistor 2SA872A(D or E)
Q709	2	HT108722D0	Transistor 2SA872A(D or E)
Q710	2	HT108722D0	Transistor 2SA872A(D or E)
Q711	2	HT317752D0	Transistor 2SC1775A(D or E)
Q712	2	HT317752D0	Transistor 2SC1775A(D or E)
Q713	2	HT108722D0	Transistor 2SA872A(D or E)
Q714	2	HT108722D0	Transistor 2SA872A(D or E)
Q715	2	HT109393A0	Transistor 2SA939(G, B or V)
Q716	2	HT109393A0	Transistor 2SA939(G, B or V)
Q717	2	HT320713A0	Transistor 2SC2071(G, B or V)
Q718	2	HT320713A0	Transistor 2SC2071(G, B or V)
Q719	2	HT320712A0	Transistor 2SC2071(G or B)
Q720	2	HT109392A0	Transistor 2SA939(G or B)
Q721	2	HT322713A0	Transistor 2SC2271(C, D or E)
Q722	2	HT322713A0	Transistor 2SC2271(C, D or E)
Q723	2	HT110152A0	Transistor 2SA1015(O or Y)
Q724	2	HT318152A0	Transistor 2SC1815(O or Y)
Q725	2	HT110152A0	Transistor 2SA1015(O or Y)
Q726	2	HT107501E0	Transistor 2SA750(E)
Q727	2	HT314001E0	Transistor 2SC1400(E)
Q728	2	HD30065090	Zener BZ280
Q729	2	HD30065090	Zener BZ280
Q730	2	HD30065090	Zener BZ280
Q731	2	HD30065090	Zener BZ280
Q732	2	HD30035090	Zener WZ061
Q733	2	HD30035090	Zener WZ061
Q734	2	HV00008080	Varistor STV-2H
Q735	2	HV00002080	Varistor SV04
Q736	2	HD20001210	Diode 1S2473
Q737	2	HD20001210	Diode 1S2473
Q738	2	HD20001210	Diode 1S2473
Q739	2	HD20001210	Diode 1S2473
Q740	2	HD20001210	Diode 1S2473

REF. DESIG.	Q'TY E	PART NO.	DESCRIPTION
Q741	2	HD20001210	Diode 1S2473
Q742	2	HD20001210	Diode 1S2473
Q743	2	HD20001210	Diode 1S2473
Q744	2	HD20011210	Diode 1N4148
Q745	2	HD20011210	Diode 1N4148
Q746	2	HD20020290	Diode S2K20
Q747	2	HD20020290	Diode S2K20
Q748	2	HT317752A0	Transistor 2SC1755A(D or E)
Q749	2	HT317752A0	Transistor 2SC1755A(D or E)
Q750	2	HD50007100	Pin Diode 10YG5.5 5.5mA 100V
Q751	2	HD50007100	Pin Diode 10YG5.5 5.5mA 100V
Q752	2	HD50007100	Pin Diode 10YG5.5 5.5mA 100V
Q753	2	HD50007100	Pin Diode 10YG5.5 5.5mA 100V
Q754	2	HT322292A0	Transistor 2SC2229(O or Y)
Q755	2	HT322292A0	Transistor 2SC2229(O or Y)
Q756	2	HF200301C0	F.E.T. 2SK30A(Y)
Q757	2	HF200301C0	F.E.T. 2SK30A(Y)
Q758	2	HD30080090	Zener BZ350
Q759	2	HD30080090	Zener BZ350
			P700-MISCELLANEOUS
J701	2	YL09010210	Terminal
J702	2	YL09010210	Terminal
J703	2	YL09010140	Terminal
J704	2	YL09010190	Terminal
J705	2	YL09010200	Terminal
J706	2	YL09010200	Terminal
J707	2	YL09010130	Terminal
J708	2	YL09010130	Terminal
J709	2	YJ06002170	Jack (9P)
J710	2	YJ06002170	Jack (9P)
J711	2	YJ06002170	Jack (9P)
J712	2	YJ06002160	Jack (6P)
J713	2	YJ06002160	Jack (6P)
J714	2	YL09010140	Terminal
J715	2	YL09010210	Terminal
J716	2	YL09010180	Terminal
J717	2	YL09010180	Terminal
J718	2	YP10001090	Plug
J719	2	YP10001090	Plug
J720	2	YP10001090	Plug
J721	2	YP10001090	Plug
L701	2	LJ29116120	Coil 0.5μH
P800	1	YF22750030	P.W. Board, Rectifier & Protector
		ZZ22759030	P.W. Board Assembly
			P800-CAPACITORS
C801	1	EA22801630	Elect 2200μF 16V
C802	1	EA22801630	Elect 2200μF 16V
C807	1	EA47605030	Elect 4.7μF 50V
C808	1	EA47606390	Elect 47μF 63V
C809	1	EA33606390	Elect 33μF 63V
C810	1	DF16103350	Film 0.01μF ±10%
C811	1	EQ22602530	Elect 22μF 25V
C812	1	EQ22602530	Elect 22μF 25V
C813	1	DF16104350	Film 0.1μF ±10%
C814	1	DF16104350	Film 0.1μF ±10%
C815	1	EA22801630	Elect 2200μF 16V
C816	1	EA22801630	Elect 2200μF 16V
C819	1	DF16103350	Film 0.01μF ±10%

REF. DESIG.	Q'TY E	PART NO.	DESCRIPTION
			P800-RESISTORS
			(All Resistors are ±5% and ¼W)
⚠ R801	1	GP05122050	1.2KΩ 5W
⚠ R802	1	GP05122050	1.2KΩ 5W
R803	1	GD05153140	15KΩ
R804	1	GD05223140	22KΩ
R805	1	GG05152120	1.5KΩ ½W
R809	1	GD05104140	100KΩ
R810	1	GD05104140	100KΩ
R811	1	GD05474140	470KΩ
R812	1	GD05474140	470KΩ
R813	1	GD05333140	33KΩ
R814	1	GD05333140	33KΩ
R815	1	GD05102140	1KΩ
R816	1	GD05102140	1KΩ
R817	1	GD05102140	1KΩ
R818	1	GD05102140	1KΩ
R819	1	GD05333140	33KΩ
R820	1	GD05333140	33KΩ
R821	1	GD05333140	33KΩ
R822	1	GD05333140	33KΩ
R823	1	GD05153140	15KΩ
R824	1	GD05153140	15KΩ
R825	1	GD05181140	180Ω
R826	1	GD05181140	180Ω
			P800-SEMICONDUCTORS
⚠ Q801	1	HE20005290	Diode S5KC20R
⚠ Q802	1	HE20005290	Diode S5KC20R
Q803	1	HD20018290	Diode S1RBA20
⚠ Q804	1	HD20018290	Diode S1RBA20
Q805	1	HT322402A0	Transistor 2SC2240
Q806	1	HT322402A0	Transistor 2SC2240
Q807	1	HT109702A0	Transistor 2SA970
Q808	1	HT109702A0	Transistor 2SA970
Q809	1	HT108793A0	Transistor 2SA879(P, Q or R)
Q810	1	HT108793A0	Transistor 2SA879(P, Q or R)
Q811	1	HT322292A0	Transistor 2SC2229(O or Y)
Q812	1	HT322292A0	Transistor 2SC2229(O or Y)
Q813	1	HD20021050	Diode 1S2093
Q814	1	HD20021050	Diode 1S2093
Q815	1	HB00002050	Thyristor SF16G14
Q816	1	HB00002050	Thyristor SF16G14
⚠ Q817	1	HD20018290	Diode S1RBA20
⚠ Q818	1	HD20006210	Diode 1SR34-400
Q819	1	HD20005010	Diode W06B
Q820	1	HD20001210	Diode 1S2473
Q821	1	HD30064090	Zener BZ240
Q822	1	HD30065090	Zener BZ-280
Q823	1	HD30065090	Zener BZ-280
Q824	1	HT406672E0	Gransistor 2SD667(C or D)
Q825	1	HT322742B0	Transistor 2SC2274K(E or F)
⚠ Q826	1	HE20004290	Diode S5KC20
⚠ Q827	1	HE20004290	Diode S5KC20

REF. DESIG.	Q'TY E	PART NO.	DESCRIPTION
			P800-MISCELLANEOUS
F801 ⚠ ≀ F806	6	FS20150700	Fuse 1.5A 125V
J801	1	YP06002190	Plug (5P)
J802	1	YP06002190	Plug (5P)
J803	1	YP06002180	Plug (4P)
J804	1	YP06002180	Plug (4P)
J805	1	YP01001040	Plug (4P)
J806	1	YP06002160	Plug (3P)
J807	1	YL09010210	Terminal
J808	1	YL09010210	Terminal
J809	1	YL09010140	Terminal
J810	1	YL09010140	Terminal
J811	1	YL09010140	Terminal
J812	1	YL09010140	Terminal
J813	1	YP06002130	Plug (3P)
J815	1	YP06002130	Plug (3P)
J822	1	YT09010210	Terminal
J825	1	YT09010210	Terminal
⚠ L801	1	LY10240040	Relay, HB1-DC24V
L802	1	LY10240040	Relay, HB1-DC24V
PK01	1	YF22750020	P.W. Board, Peak & Muting
		ZZ22759020	P.W. Board Assembly
			PK01-CAPACITORS
CK01	1	DF16103350	Film 0.01μF ±10%
CK02	1	DF16103350	Film 0.01μF ±10%
CK03	1	EA47601690	Elect 47μF 16V
CK04	1	EA47601690	Elect 47μF 16V
CK05	1	EA22701090	Elect 220μF 10V
CK06	1	DF16332350	Film 3300pF ±10%
			PK01-RESISTORS
			(All Resistors are ±5% and ¼W)
RK01	1	GA05200030	20Ω 3W
RK02	1	GA05200030	20Ω 3W
RK03	1	GD05433140	43KΩ
RK04	1	GD05433140	43KΩ
RK05	1	GD05471140	470Ω
RK06	1	GD05471140	470Ω
RK07	1	RA03310010	330Ω Trimming
RK08	1	RA03310010	330Ω Trimming
RK09	1	GG05680120	68Ω ½W
RK10	1	GG05680120	68Ω ½W
RK11	1	GG05121140	120Ω
RK12	1	GG05121140	120Ω
RK13	1	GD05683140	68KΩ
RK14	1	GD05332140	3.3KΩ
RK15	1	GD05153140	15KΩ
RK16	1	GA05271010	270Ω 1W
RK17	1	GD05333140	33KΩ
RK18	1	GD05332140	3.3KΩ

REF. DESIG.	Q'TY E	PART NO.	DESCRIPTION
			PK01-SEMICONDUCTORS
QK01	1	HT107332A0	Transistor 2SA733(R or Q)
QK02	1	HT309452A0	Transistor 2SC945(R or Q)
QK03	1	HC10041050	IC TA7318P-2
QK04	1	HD30041090	Zener BZ-210
QK05	1	HD20001210	Diode 1S2473
QK06	1	HD20001210	Diode 1S2473
QK07	1	HC10041050	IC TA7318P-2
			PK01-MISCELLANEOUS
JK01	1	YP06002010	Plug (4P)
PM01	2	YF21450040	P.W. Board, Power Transistor
		ZZ21458040	P.W. Board Assembly
			PM01-RESISTORS
			(All Resistors are ±5% and ¼W)
RM01	2	GM214221G0	22.1Ω
RM02	2	GM214221G0	22.1Ω
RM03	2	GM214221G0	22.1Ω
RM04	2	GM214221G0	22.1Ω
RM05	2	GM214221G0	22.1Ω
RM06	2	GM214221G0	22.1Ω
RM07	2	GM214221G0	22.1Ω
RM08	2	GM214221G0	22.1Ω
RM09	2	GM214221G0	22.1Ω
RM10	2	GM214221G0	22.1Ω
RM11	2	GM214221G0	22.1Ω
RM12	2	GM214221G0	22.1Ω
			PM01-SEMICONDUCTORS
QM01	2	HT315671R0	Transistor 2SC1567(R)
QM02	2	HT322382C0	Transistor 2SC2238B(O or Y)
QM03	2	HT322382C0	Transistor 2SC2238B(O or Y)
QM04	2	HT109682C0	Transistor 2SA968B(O or Y)
QM05	2	HT109682C0	Transistor 2SA968B(O or Y)
QM06	2	HT326082B0	Transistor 2SC2608(O or Y)
QM07	2	HT326082B0	Transistor 2SC2608(O or Y)
QM08	2	HT326082B0	Transistor 2SC2608(O or Y)
QM09	2	HT326082B0	Transistor 2SC2608(O or Y)
QM10	2	HT326082B0	Transistor 2SC2608(O or Y)
QM11	2	HT326082B0	Transistor 2SC2608(O or Y)
QM12	2	HT111172B0	Transistor 2SA1117(O or Y)
QM13	2	HT111172B0	Transistor 2SA1117(O or Y)
QM14	2	HT111172B0	Transistor 2SA1117(O or Y)
QM15	2	HT111172B0	Transistor 2SA1117(O or Y)
QM16	2	HT111172B0	Transistor 2SA1117(O or Y)
QM17	2	HT111172B0	Transistor 2SA1117(O or Y)
			PM01-PLUGS
JM01	2	YP06002140	Plug (6P)
JM02	2	YP06002140	Plug (6P)
JM03	2	YP06002150	Plug (9P)
JM04	2	YP06002150	Plug (9P)
JM05	2	YP06002150	Plug (9P)

REF. DESIG.	Q'TY E	PART NO.	DESCRIPTION
PS01	1	YF22750060	P.W. Board, Speaker Switch
		ZZ22759060	P.W. Board Assembly
			PS01-RESISTORS
RS01	1	GD05681140	Resistor 680Ω ±5% ¼W
RS02	1	GD05681140	Resistor 680Ω ±5% ¼W
			PS01-SWITCHES
SS01	1	SP02020210	Push Switch, SDG5P Sub1
SS02	1	SP02020210	Push Switch, SDG5P Sub2
PV01	1	YF22750050	P.W. Board, Input Coupling
		ZZ22759050	P.W. Board Assembly
			PV01-CAPACITORS
CV01	1	DF76225520	Film 2.2μF ±10%
CV02	1	DF76225520	Film 2.2μF ±10%
CV03	1	DF35221520	Film 220pF ±5%
CV04	1	DF35221520	Film 220pF ±5%
			PV01-RESISTORS
RV01	1	GD05681140	680Ω ±5% ¼W
RV02	1	GD05681140	680Ω ±5% ¼W
RV03	1	GD05105140	1MΩ ±5% ¼W
RV04	1	GD05105140	1MΩ ±5% ¼W
			PV01-MISCELLANEOUS
JV01	1	YL09010210	Terminal
JV02	1	YL09010210	Terminal
JV05	1	YL09010210	Terminal
JV06	1	YL09010210	Terminal
JV09	1	YB01500070	Connective Cord
JV10	1	YB01500070	Connective Cord
LV01	1	LY20120230	Relay
SV01	1	SP02020470	Push Switch, AC-DC Selector
PW00	1	YF22750070	P.W. Board, Output Network
		ZZ22759070	P.W. Board Assembly
			PW00-CAPACITORS
CW01	1	DF17333510	Film 0.033μF ±20%
CW02	1	DF17333510	Film 0.033μF ±20%
			PW00-RESISTORS
RW01	1	NT25150020	15Ω ±5% 2W
RW02	1	NT25150020	15Ω ±5% 2W
RW03	1	NT25150020	15Ω ±5% 2W
RW04	1	NT25150020	15Ω ±5% 2W

REF. DESIG.	Q'TY E	PART NO.	DESCRIPTION
			(CONNECTIVE CORD)
J016	1	YB05800010	Connective Cord, J825 to J715 Ch-L Muting
J017	1	YB08500010	Connective Cord, S001 to L011
J018	1	YB07500010	Connective Cord, J093 to L011&S001 Ch-L
J019	1	YB07500010	Connective Cord, J093 to L011 & J051
J020	1	YB01100020	Connective Cord, J001 to L011 Common Ch-L
J021	1	YB01100020	Connective Cord, J002 to L011 Common Ch-R
J022	1	YB08200010	Connective Cord, C017,C019 to 006F GND Plate
J023	1	YB06500040	Connective Cord, C018,C019 to 006F GND Plate
J026	1	YB07300040	Connective Cord, J006(5 Pin) to J093 Ch-L
J027	1	YB10000060	Connective Cord, J007(5 Pin) to J093 Ch-R
J030	1	YB03000070	Connective Cord, C022(+) to J708 Ch-R +VCC2
J031	1	YB03000080	Connective Cord, C024(—) to J707 Ch-R —VCC2
J032	1	YB04500090	Connective Cord, C021(+) to J708 Ch-L +VCC2
J033	1	YB04500100	Connective Cord, C023(—) to J707 Ch-L —VCC2
J034	1	YB05900010	Connective Cord, C018(+) to J716 Ch-R
J035	1	YB06800010	Connective Cord, C020(—) to J717 Ch-R
J036	1	YB08500030	Connective Cord, C017(+) to J716 Ch-L
J037	1	YB07400020	Connective Cord, C019(—) to J717 Ch-L
J038	2	YB02200030	Connective Cord, C021(—) or C022(—) to 006F GND
J052	1	YB07600012	Connective Cord, Input J039 to JV01 & JV05 Ch-L
J053	1	YB07600030	Connective Cord, Input J040 to JV02 & JV06 Ch-R
J054	1	YB07600012	Connective Cord, Gain R001 to J701 & J702 Ch-L
J055	1	YB06000070	Connective Cord, Gain R002 to J701 & J702 Ch-R
J056	1	YB03000060	Connective Cord, J822 to J715 Ch-R Muting
J057	1	YB08500020	Connective Cord, J805 to JK01 Supply
J059	1	YB04100050	Connective Cord, Ch-L Supply Line to J803
J060	1	YB04100060	Connective Cord, Ch-R Supply Line to J804
J061	1	YB04500060	Connective Cord, JS01 to J807 DC Detector Ch-L
J062	1	YB04500070	Connective Cord, JS02 to J808 DC Detector Ch-R
J064	1	YB04500080	Connective Cord, R007 to Fan
J065	1	YB01800040	Connective Cord, J093 to R007 & J051
J066	1	YB06300010	Connective Cord, J813 to R007 & Fan
J067	1	YB04000010	Connective Cord, R007 to F005 & F006 Fan Cont.

REF. DESIG.	Q'TY E	PART NO.	DESCRIPTION
J068	1	YB04000010	Connective Cord, R007 to F005 & F006 Fan Cont.
J069	1	YB03000090	Connective Cord, F007 to J001 Ch-L
J070	1	YB05000120	Connective Cord, F008 to J002 Ch-R
J071	1	YB03500020	Connective Cord, F007 to J093 Ch-L
J072	1	YB04500110	Connective Cord, F008 to J093 Ch-R
J073	1	YB05500040	Connective Cord, C001(+) to J706 Ch-L +VCC1
J074	1	YB03100020	Connective Cord, C002(+) to J706 Ch-R +VCC1
J075	1	YB05000130	Connective Cord, J703 Ch-L to 006F GND Plate
J076	1	YB05000130	Connective Cord, J703 Ch-R to 006F GND Plate
J077	1	YB03100030	Connective Cord, C003(—) to J705 Ch-L —VCC1
J078	1	YB03100030	Connective Cord, C004(—) to J705 Ch-R —VCC1
J079	1	YB10000040	Connective Cord, J704 Ch-L to J044 Output
J080	1	YB10000050	Connective Cord, J704 Ch-R to J045 Output
J081	1	YB06400030	Connective Cord, J815 to L011 Coil
J082	1	YJ06002420	Jack J806 to L001,L002 Tap.
J083	1	YB08000030	Connective Cord, SPK Ch-L GND to 006F GND Plate
J084	1	YB08000010	Connective Cord, SPK Ch-R GND to 006F GND Plate
J085	1	YB09000020	Connective Cord, JS03 to J046 SPK Sub 1 Ch-L
J086	1	YB09000030	Connective Cord, JS04 to J047 SPK Sub 1 Ch-R
J087	1	YB09000020	Connective Cord, JS05 to J048 SPK Sub 2 Ch-L
J088	1	YB09000030	Connective Cord, JS06 to J049 SPK Sub 2 Ch-R
J091	1	YB01000600	Connective Cord, J091 to R003 (2Ω) Ch-L
J092	1	YB01000600	Connective Cord, J092 to R004 (2Ω) Ch-R

(W01-99)	Assembly and Wiring
(T01-99)	Adjustment
(X01-00)	Correction

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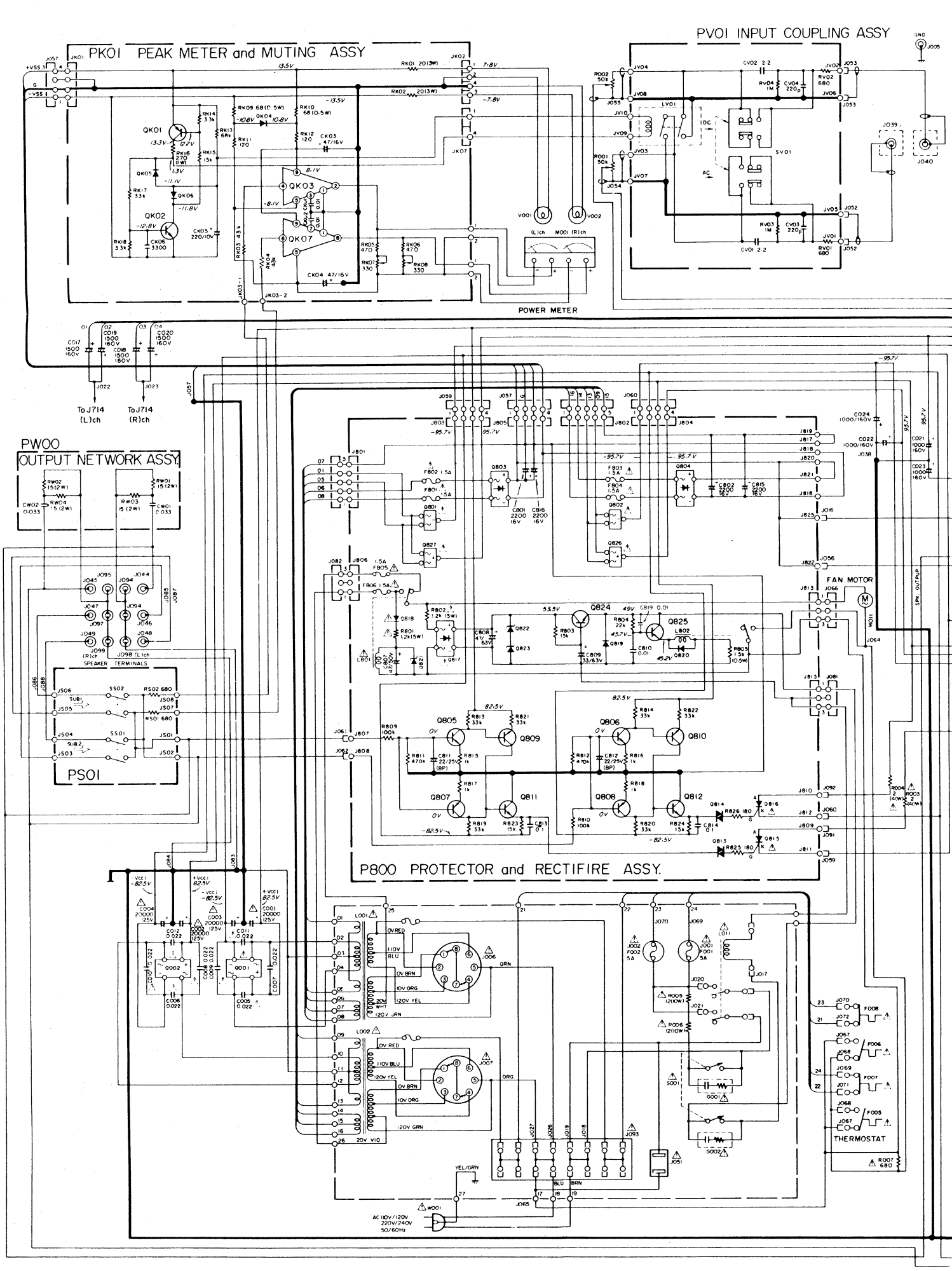
QK01 HT107332A0 2SA733(RorQ)	QK02 HT309452A0 2SC945(RorQ)	QK03,QK07 HC10041050 TA7318P-2	QK04 HD30041090 BZ-210	QK05,QK06 HD20001210 1S2473	QM01 HT315671R0 2SC1567(R)	QM02,QM03 HT322382C0 2SC2238B(OorY)	QM04,QM05 HT109682C0 2SC968B(OorY)	QM06∿QM11 HT326082B0 2SC2608(OorY)	QM12∿QM17 HT111172B0 2SA1117(OorY)	Q701,Q702 Q705,Q706 Q711,Q712 Q748,Q749 HT317752D0 2SC1775A(DorE)	Q703,Q704 Q707∿Q710 Q713,Q714 HT1087220D 2SA872A(DorE)	Q715,Q716 HT109393A0 2SA939(G,BorV)	Q717,Q718 HT320713A0 2SC2071(G,BorV)	Q719 HT320712A0 2SC2071(GorB)	Q720 HT109392A0 2SA939(GorB)	Q721,Q722 HT322713A0 2SC2271(C,DorE)	Q723,Q725 HT1101152A0 2SA1015(OorY)	Q724 HT318152A0 2SC1815(OorY)	Q726 HT107501E0 2SA750(E)

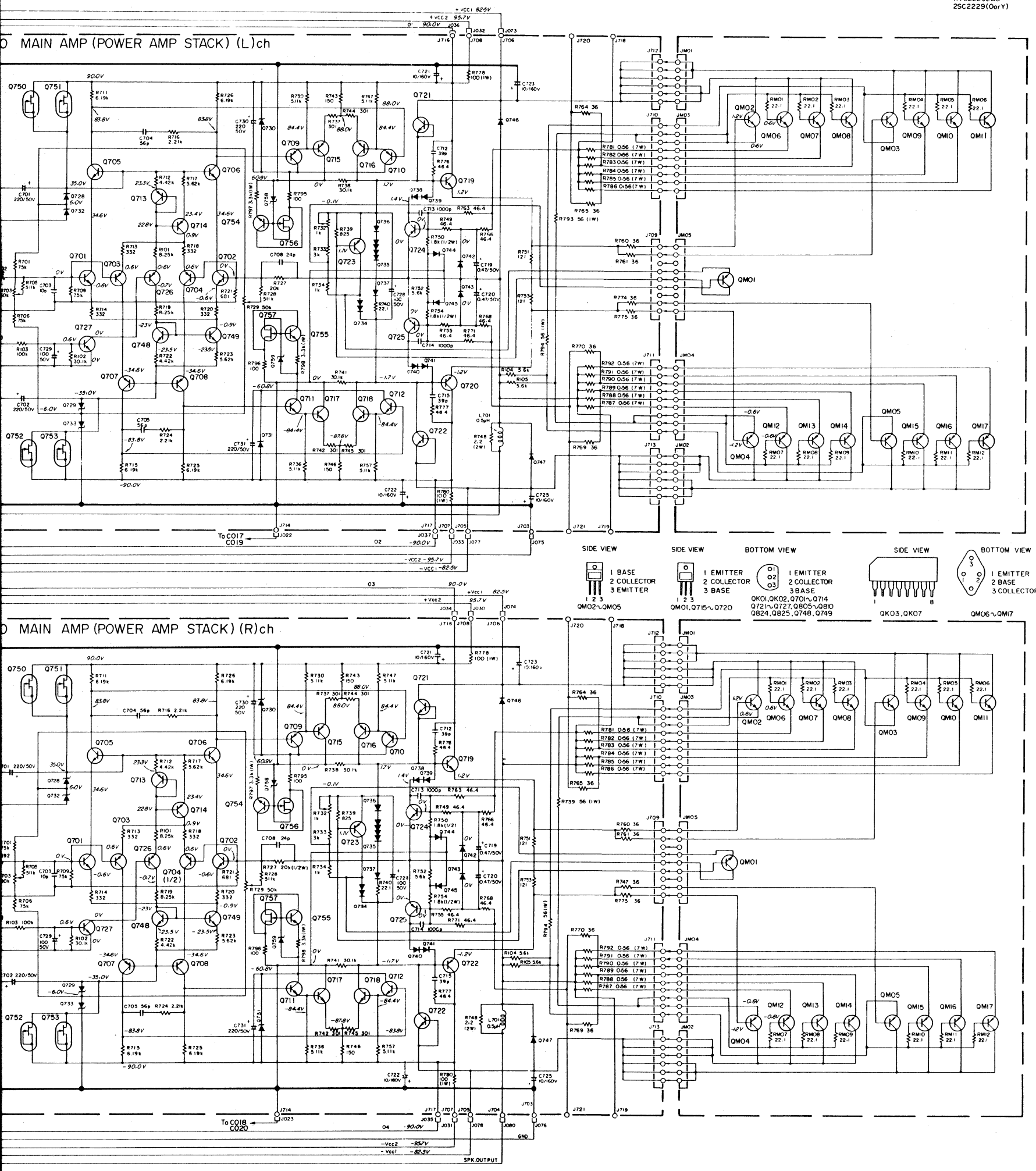


Note on safety: The parts marked with ⚠ are important parts on the safety. Please use the parts having the designated parts number without fail.

Components and wiring are subject to change for modification without notice.

SCHEMATIC DIAGRAM For Model Sm 800

B)	Q720 HT109392A0 2SA939(GorB)	Q721,Q722 HT322713A0 2SC2271(C,DorE)	Q723,Q725 HT110152A0 2SA1015(OorY)	Q724 HT318152A0 2SC1815(OorY)	Q726 HT107501E0 2SA750(E)	Q727 HT314001E0 2SC1400(E)	Q728∿Q731 HD30065090 BZ280	Q732,Q733 HD30035090 WZ061	Q734 HV00008080 STV-2H	Q735 HV00002080 SV-04	Q736∿Q743 HD20001210 IS2473	Q744,Q745 HD20011210 IN4148	Q746,Q747 HD20020290 S2K20	Q750∿Q753 HD50007100 10YG 5.5MA	Q756,Q757 HF200301C0 2SK30A(Y)	Q758,Q759 HD30080090 BZ350	Q801,Q802 HE20005290 S5KC20R
															Q754,Q755 HT322292A0 2SC2229(OorY)		Q803,Q804 HD20018290 S1RBA20
																	Q805,Q806 HT322402A0 2SC2240
																	Q807,Q808 HT109702A0 2SA970
																	Q809,Q810 HT108793A0 2SA879(P,QorR)
																	Q811,Q812 HT322292A0 2SC2229(OorY)
																	Q813,Q814 HD20021050 IS2093
																	Q815,Q816 HB00002050 SF16G14
																	Q817 HD20018290 S1RBA20
																	Q818 HD20006210 ISR34-400
																	Q819 HD20005010 W06B
																	Q820 HD20001210 IS2473
																	Q821 HD30064090 BZ-240
																	Q822,Q823 HD30065090 BZ-280
																	Q824 HT406672E0 2SD667(CorD)
																	Q825 HT322742B0 2SC2274K(EorL)
																	Q826,Q827 HE20004290 S5KC20
																	Q001,Q002 HE20006290 S15VB40



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